

PSA 6573 A - Drum (200l-181.6kg)



Signal Words: Danger

Hazard Statement(s): H224: Extremely flammable liquid and vapor.
 H315: Causes skin irritation.
 H336: May cause drowsiness or dizziness.
 H361d: Suspected of damaging the unborn child.
 H373: May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements

Prevention: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P260: Do not breathe dust/fume/gas/mist/vapors/spray.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response: P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
 P331: Do NOT induce vomiting.
 P370+P378: In case of fire: Use... to extinguish.

Unknown toxicity - Health

Acute toxicity, oral 0 %
 Acute toxicity, dermal 0 %
 Acute toxicity, inhalation, vapor 0 %
 Acute toxicity, inhalation, dust or mist 0 %

Additional Information: No data available.

2.3 Other hazards No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information: No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Toluene	25 - <50%	108-88-3	203-625-9	01-2119471310-51-XXXX	No data available.	#
Octamethylcyclo-tetrasiloxane	0,1 - <1%	556-67-2	209-136-7	01-2119529238-36-0001	No data available.	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by

PSA 6573 A - Drum (200l-181.6kg)

volume.
This substance has workplace exposure limit(s).
PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Classification	Notes
Toluene	Flam. Liq.: 2: H225; Repr.: 2: H361d; Asp. Tox.: 1: H304; STOT RE: 2: H373; Skin Irrit.: 2: H315; STOT SE: 3: H336;	No data available.
Octamethylcyclotetrasiloxane	Flam. Liq.: 3: H226; Repr.: 2: H361f; Aquatic Chronic: 2: H411;	No data available.

CLP: Regulation No. 1272/2008.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Move to fresh air. Get medical attention if symptoms persist.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Skin Contact: Take off immediately all contaminated clothing. Wash area with soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Ingestion: Do NOT induce vomiting. If conscious, drink plenty of water. Rinse mouth. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed: No data available.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No data available.

Treatment: No data available.

SECTION 5: Firefighting measures

General Fire Hazards: Use water spray to keep fire-exposed containers cool.

5.1 Extinguishing media

Suitable extinguishing media: Foam. Carbon dioxide

Unsuitable extinguishing media: Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture: In case of fire, carbon monoxide and carbon dioxide may be formed.

5.3 Advice for firefighters

Special fire fighting procedures: Keep away from sources of ignition - No smoking.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

PSA 6573 A - Drum (200l-181.6kg)

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** Remove sources of ignition. Keep up-wind to avoid fumes.
- 6.2 Environmental Precautions:** Prevent runoff from entering drains, sewers, or streams. Avoid release to the environment.
- 6.3 Methods and material for containment and cleaning up:** Collect spillage with granulates, sawdust, rags or other absorbent.
- 6.4 Reference to other sections:** Caution: Contaminated surfaces may be slippery. Prevent runoff from entering drains, sewers, or streams. See Section 8 of the SDS for Personal Protective Equipment. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

SECTION 7: Handling and storage:

- 7.1 Precautions for safe handling:** Static electricity and formation of sparks must be prevented. Avoid contact with skin and eyes. Wear appropriate personal protective equipment. Do not breathe vapor/spray.
- Storage conditions:** Keep away from sources of ignition - No smoking. Keep container tightly closed. Store in original container. Keep away from heat, sparks and open flame.
- 7.2 Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a cool, well-ventilated place.
- Storage Stability:** Material is stable under normal conditions.
- 7.3 Specific end use(s):** No data available.

SECTION 8: Exposure controls/personal protection

**8.1 Control Parameters
 Occupational Exposure Limits**

Chemical name	Type	Exposure Limit Values	Source
Toluene	TWA	50 ppm 191 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
	STEL	100 ppm 384 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
	TWA	50 ppm 192 mg/m3	EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU (12 2009)
	STEL	100 ppm 384 mg/m3	EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU (12 2009)

Biological Limit Values

None.

8.2 Exposure controls

PSA 6573 A - Drum (200l-181.6kg)

Appropriate Engineering Controls:

Use only in well-ventilated areas. Use explosion-proof ventilation equipment to stay below exposure limits. Eye washes and showers for emergency use. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Observe good industrial hygiene practices.

Individual protection measures, such as personal protective equipment

General information:

Use only in well-ventilated areas. Do not eat, drink or smoke when using the product. Wash hands after handling. Eye washes and showers for emergency use. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Provide eyewash station and safety shower.

Eye/face protection:

Safety glasses with side-shields conforming to EN166

Skin protection

Hand Protection:

Advice: This recommendation is valid only for our Product as delivered. If this product will be mixed with other substances you need to contact a supplier of CE approved protective gloves (e.g. KCL GmbH, D-36124 Eichenzell, Tel. 0049 (0) 6659 87300, Fax. 0049 (0) 6659 87155, email: vertrieb@kcl.de).

Material: 395 Combi-Latex

Minimum break through time: 10 min

Glove thickness: 1,0 mm

Guideline: EN 374

Advice: This recommendation is valid only for our Product as delivered. If this product will be mixed with other substances you need to contact a supplier of CE approved protective gloves (e.g. KCL GmbH, D-36124 Eichenzell, Tel. 0049 (0) 6659 87300, Fax. 0049 (0) 6659 87155, email: vertrieb@kcl.de).

Material: 890 Vitoject

Minimum break through time: 480 min

Glove thickness: 0,7 mm

Guideline: EN 374

Other:

Wear suitable protective clothing.

Respiratory Protection:

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Respiratory protection mask with Filtertype ABEK

Hygiene measures:

Observe good industrial hygiene practices.

Environmental exposure controls:

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	Colorless
Odor:	Aromatic
Odor Threshold:	No data available.
pH:	No data available.
Freezing point:	No data available.
Boiling Point:	110 °C

PSA 6573 A - Drum (200l-181.6kg)

Flash Point:	4,00 °C (Closed Cup)
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	ca. 7 %(V) (No data available.)
Flammability Limit - Lower (%):	ca. 1,2 %(V) (No data available.)
Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Density:	0,9226 g/cm ³
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	No data available.
Solubility (other):	Soluble in toluene
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Autoignition Temperature:	ca. 536 °C
Decomposition Temperature:	Material is stable under normal conditions.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	> 21 mm ² /s (20 °C)
Explosive properties:	No data available.
Oxidizing properties:	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Material is stable under normal conditions.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	Hazardous polymerisation does not occur.
10.4 Conditions to avoid:	Keep away from sources of ignition - No smoking.
10.5 Incompatible Materials:	Oxidizing agents.
10.6 Hazardous Decomposition Products:	Carbon dioxide Carbon Monoxide. Oxides of silicon. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

SECTION 11: Toxicological information

General information: Toxicological information on this product is not available.

Information on likely routes of exposure

Inhalation: No data available.

Ingestion: No data available.

Skin Contact: No data available.

Eye contact: No data available.

11.1 Information on toxicological effects

Acute toxicity

PSA 6573 A - Drum (200l-181.6kg)

Oral

Product: ATEmix: 2.165,75 mg/kg
Specified substance(s)
 Toluene No data available.
 Octamethylcyclotetrasiloxane LD 50 (Rat): 4.800 mg/kg

Dermal

Product: Not classified for acute toxicity based on available data.
Specified substance(s)
 Toluene LD 50 (Rabbit): 12.124 mg/kg
 Octamethylcyclotetrasiloxane LD 50 (Rat): > 2.400 mg/kg

Inhalation

Product: Not classified for acute toxicity based on available data.
Specified substance(s)
 Toluene LC50 (Rat, 4,00 h): 30,6 mg/l
 Octamethylcyclotetrasiloxane LC50 (Rat, 4 h): 36 mg/l

Repeated dose toxicity

Product: No data available.
Specified substance(s)
 Toluene No data available.
 Octamethylcyclotetrasiloxane NOAEL (Rat(male and female), Inhalation - vapor(vapour)): 150 mg/kg
 NOAEL (Rabbit(male and female), Dermal): 950 mg/kg
 LOAEL (Rabbit(male and female), Dermal): 950 mg/kg

Skin Corrosion/Irritation:

Product: No data available.
Specified substance(s)
 Toluene No data available.
 Octamethylcyclotetrasiloxane OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rat): No skin irritation

Serious Eye Damage/Eye Irritation:

Product: No data available.
Specified substance(s)
 Toluene No data available.
 Octamethylcyclotetrasiloxane OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): Not irritating

Respiratory or Skin

Sensitization:

Product: No data available.
Specified substance(s)
 Toluene No data available.
 Octamethylcyclotetrasiloxane , OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig)Not sensitizing

Germ Cell Mutagenicity

In vitro

Product: No data available.

PSA 6573 A - Drum (200l-181.6kg)

Specified substance(s)

Toluene	No data available.
Octamethylcyclotetrasiloxane	Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic) Mouse Lymphoma Assay (OECD Guidline 476): negative (not mutagenic)

In vivo

Product: No data available.

Specified substance(s)

Toluene	No data available.
Octamethylcyclotetrasiloxane	Chromosomal aberration (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Inhalation (Rat, male and female): negative Dominant lethal assay (OECD 478) Oral (Rat, male and female): negative

Carcinogenicity

Product: No data available.

Specified substance(s)

Toluene	No data available.
Octamethylcyclotetrasiloxane	No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

Toluene	No data available.
Octamethylcyclotetrasiloxane	No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Toluene	No data available.
Octamethylcyclotetrasiloxane	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Toluene	No data available.
Octamethylcyclotetrasiloxane	No data available.

Target Organs:

narcotic effects

Aspiration Hazard

Product: No data available.

Specified substance(s)

Toluene	No data available.
Octamethylcyclotetrasiloxane	No data available.

Other effects: No data available.

PSA 6573 A - Drum (200l-181.6kg)

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Toluene LC0 (Leuciscus idus, 48 h): 52 mg/l (No data available.)
 LC50 (Leuciscus idus, 48 h): 70 mg/l (No data available.)
 LC50 (Pimephales promelas, 96 h): 34 mg/l (No data available.)
 Octamethylcyclotetrasiloxane No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Toluene LC0 (Daphnia magna): 93 mg/l (No data available.)
 (Daphnia magna): 270 mg/l (No data available.)
 Octamethylcyclotetrasiloxane No data available.

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Toluene No data available.
 Octamethylcyclotetrasiloxane No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Toluene No data available.
 Octamethylcyclotetrasiloxane No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Toluene No data available.
 Octamethylcyclotetrasiloxane No data available.

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

Toluene No data available.
 Octamethylcyclotetrasiloxane (29 d, 310 Ready Biodegradability - CO₂ in Sealed Vessels (Headspace Test)): 3,7 % Persistent Not readily biodegradable.

PSA 6573 A - Drum (200l-181.6kg)

BOD/COD Ratio

Product: No data available.

Specified substance(s)

Toluene No data available.
 Octamethylcyclotetrasiloxane No data available.

12.3 Bioaccumulative potential

Product: No data available.

Specified substance(s)

Toluene No data available.
 Octamethylcyclotetrasiloxane Fathead Minnow, Bioconcentration Factor (BCF): 12,40

12.4 Mobility in soil:

No data available.

Known or predicted distribution to environmental compartments

Toluene No data available.
 Octamethylcyclotetrasiloxane No data available.

12.5 Results of PBT and vPvB assessment:

No data available.

Toluene No data available.
 Octamethylcyclotetrasiloxane No data available.

12.6 Other adverse effects:

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information:

Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment. The generation of waste should be avoided or minimized wherever possible.

Disposal methods:

Can be incinerated when in compliance with local regulations.

SECTION 14: Transport information

ADR

14.1 UN Number: UN 1866
 14.2 UN Proper Shipping Name: RESIN SOLUTION
 14.3 Transport Hazard Class(es)
 Class: 3
 Label(s): 3
 Hazard No. (ADR): 33
 Tunnel restriction code: (D/E)
 14.4 Packing Group: II
 14.5 Environmental Hazards: Not regulated.
 Marine Pollutant No

ADN

14.1 UN Number: UN 1866
 14.2 UN Proper Shipping Name: RESIN SOLUTION
 14.3 Transport Hazard Class(es)
 Class: 3
 Label(s): 3

PSA 6573 A - Drum (200l-181.6kg)

- 14.4 Packing Group: II
- 14.5 Environmental Hazards: Not regulated.
Marine Pollutant: No

RID

- 14.1 UN Number: UN 1866
14.2 UN Proper Shipping Name: RESIN SOLUTION
14.3 Transport Hazard Class(es)
Class: 3
Label(s): 3
14.4 Packing Group: II
- 14.5 Environmental Hazards: Not regulated.
Marine Pollutant: No

IMDG

- 14.1 UN Number: UN 1866
14.2 UN Proper Shipping Name: RESIN SOLUTION
14.3 Transport Hazard Class(es)
Class: 3
Label(s): 3
EmS No.: F-E, S-E
14.4 Packing Group: II
14.5 Environmental Hazards: Not regulated.
Marine Pollutant: No

IATA

- 14.1 UN Number: UN 1866
14.2 Proper Shipping Name: Resin solution
14.3 Transport Hazard Class(es):
Class: 3
Label(s): 3
14.4 Packing Group: II
14.5 Environmental Hazards: Not regulated.
Marine Pollutant: No

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:

Not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

Regulation (EC) No. 649/2012 Import and export of dangerous chemicals: none

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended: none

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:

Chemical name	CAS-No.	Concentration
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PSA 6573 A - Drum (200l-181.6kg)

Toluene	108-88-3	30 - 40%
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Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.: none

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:

Chemical name	CAS-No.	Concentration
Toluene	108-88-3	30 - 40%

Directive 96/82/EC (Seveso III): on the control of major accident hazards involving dangerous substances: none

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants: none

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

Chemical name	CAS-No.	Concentration
Toluene	108-88-3	30 - 40%
Octamethylcyclotetrasiloxane	556-67-2	0,1 - 1,0%

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

Inventory Status

REACH:

If purchased from Momentive Performance Materials GmbH in Leverkusen, Germany, all substances in this product have been registered by Momentive Performance Materials GmbH or upstream in our supply chain or are exempt from registration under Regulation (EC) No 1907/2006 (REACH). For polymers, this includes the constituent monomers and other reactants.

Remarks: None.

Australia AICS: On or in compliance with the inventory Remarks: None.

Canada DSL Inventory List: On or in compliance with the inventory Remarks: None.

EINECS, ELINCS or NLP: On or in compliance with the inventory Remarks: None.

Japan (ENCS) List: Not in compliance with the inventory. Remarks: None.

China Inv. Existing Chemical Substances: On or in compliance with the inventory Remarks: None.

Korea Existing Chemicals Inv. (KECI): On or in compliance with the inventory Remarks: None.

Canada NDSL Inventory: Not in compliance with the inventory. Remarks: None.

Philippines PICCS: On or in compliance with the inventory Remarks: None.

US TSCA Inventory: On or in compliance with the inventory Remarks: None.

New Zealand Inventory of Chemicals: On or in compliance with the inventory Remarks: None.

Taiwan Chemical Substance Inventory: **PSA 6573 A - Drum (200l-181.6kg)**
On or in compliance with the inventory Remarks: None.

SECTION 16: Other information

Revision Information: Not relevant.

Key literature references and sources for data: No data available.

Wording of the H-statements in section 2 and 3

H224	Extremely flammable liquid and vapor.
H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H413	May cause long lasting harmful effects to aquatic life.

Training information: No data available.

Classification according to Regulation (EC) No 1272/2008 as amended.

Flam. Liq. 2, H225
Skin Corr. 2, H315
Repr. 2, H361d
STOT SE 3, H336
STOT RE 2, H373

Issue Date: 22.06.2018

PSA 6573 A - Drum (200l-181.6kg)

Disclaimer:

Notice to reader

Unless otherwise specified in section 1.2, Momentive Products are intended for industrial application only.

They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

Further Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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